COMMONWEALTH OF KENTUCKY
Natural Resources & Environmental Protection Cabinet
Department for Environmental Protection

DEP7007M
METAL CLEANING DEGREASERS

DIVISION FOR AIR QUALITY

Depending on the type of degreasing operation, complete the corresponding section *only*.

Emissions Point #_____

If more than one degreaser is located at this plant, make additional copies of this form, as necessary. Emission Unit #_____

SECTION I COLD CLEANING DEGREASER ONLY

1) **Manufacturer _____ Model No. _____ Serial No. _____**

Inside Dimensions of Tank (ft.): Width _____ Length _____ Depth _____

Freeboard height: _____ feet

Date Tank Installed _____

Type: _____ Dip Tank _____ Spray Sink

Maximum Operation: Hours/day _____ Days/week _____ Weeks/year ____

2) **Solvent Type (*Name and Manufacturer*): _____**
Attach MSDS for each solvent used.
Maximum Amount Used: _____ Gallons/hour _____ Gallons/year
Maximum Volatility at 100 °F: _____ mm Hg

3) **Equipment Design: Is the degreaser equipped with:**

Tank Cover: ___ Yes ___ No **Agitation: ____ Yes ___ No**

Drainage Board: _ Yes _ No **If yes, check the type:**

If yes, check the type: _ Internal _ External **___ Pumped ___ Air**

Drainage Return (if external): ___ Yes ___ No **___ Mechanical ___ Ultrasonic**

Is solvent sprayed? ___ Yes ___ No Heating: ___ Yes ___ No

Spray Pressure _____ psi **If heated, give temperature: _____ °F**

4) **OPERATING PROCEDURE**
Can degreaser be closed during degreaser operation? ___ Yes ___ No

Is degreaser cover closed when degreaser is not in use? ___ Yes ___ No

Are parts dry before removal from drying rack? ___ Yes ___ No

How are waste solvent and sludge disposed of? _____

5) **INDICATE THE TYPE OF CONTROL DEVICES (*if any*):**
_ Refrigerated _ Carbon Adsorption _ Water Spray _ Freeboard Ratio = 0.7

Other (*specify*): _____

(Revised 06/00)

SECTION II OPEN TOP VAPOR DEGREASER ONLY

6) **Manufacturer:** _____ **Model No.** _____ **Serial No.** _____

Inside Dimension of Tank (ft.): Width _____ **Length** _____ **Depth** _____

Date Installed: _____ **Freeboard Height** _____ **feet**

Is Solvent Sprayed? _____ **Yes** _____ **No Spray pressure** _____ **psi**

Maximum Operation: Hours/day _____ **Days/week** _____ **Weeks/year** _____

7) **Solvent: Type (*Name and Manufacturer):*** _____

Maximum Amount Used: _____ **gallons/hour** _____ **gallons/year**
(*Attach MSDS for each solvent used*)

8) **Indicate The Types Of Safety Switches The Degreaser Is Equipped With:**

_____ **Condenser flow switch and thermostat (to shut off sump heat if condenser coolant either is not circulating or too warm).**
_____ **Spray safety switch (to shut off spray pump if the vapor level drops more than four inches below the bottom condenser coil in order to prevent spraying above the vapor level).**
_____ **Vapor level control thermostat (to shut off sump heat if the vapor zone rises above the design level).**

9) **Type of Vapor Level Controls:**

__ **Condensing Coil** __ **Chilled Water or Refrigerant** __ **None Temperature of the cooling liquid** _____ **°F**

10) **Method of Heating the Degreaser:**

_____ **Gas** __ **Electric** _____ **Steam Rating:** _____ **BTU/hr., or** _____ **KW**

11) **Type of Cleaning Action:**

_____ **Sonic** _____ **Immersion in Liquid** _____ **Mechanical Mixing** ___ **Vapor Condensation**
_____ **Spray**
_____ **Other** _____

12) **Tank Cover:** __ **Automatic** __ **Manual** _____ **None Is the tank covered when not in use?** ___ **Yes** ___ **No**

13) **How are Waste Solvent and Sludge Disposed of?** _____

_____

14) **Indicate The Type of Control Device (*if any*):**

__ **Refrigerated Chiller** __ **Carbon Adsorption** _ **Enclosed Design** _ **Freeboard Ratio = 0.75**
Other (*specify):* _____

15) **A. Are The Parts To Be Degreased Moved in and Out at a Vertical Speed of Less Than 11 ft./Min** _**Yes** _**No**
B. What is The Exhaust Air Flow? _____ **Cfm**

SECTION III CONVEYORIZED DEGREASER ONLY

16) **Manufacturer: _____ Model No. _____ Serial No. _____**

Inside Dimension of Tank (ft.): Width _____ Length _____ Depth _____

Date Installed: _____ Freeboard Height _____ feet

Is Solvent Sprayed? _____ Yes _____ No Spray pressure _____ psi

Type: _____ Cold Solvent _____ Vapor Degreasing

Work Load Design Specifications _____

_____

Maximum Operation: Hours/day _____ Days/week _____ Weeks/year _____

17) **Equipment Design:**
Does the degreaser have: _____ Drying tunnel _____ Tumbling or rotating baskets

Is the tank covered when not in use? _____ Yes _____ No

18) **Indicate The Types Of Safety Switches The Degreaser Is Equipped With:**

_____ Condenser flow switch and thermostat (to shut off sump heat if condenser coolant either is not circulating or too warm).
_____ Spray safety switch (to shut off spray pump if the vapor level drops more than four inches below the bottom condenser coil in order to prevent spraying above the vapor level).
_____ Vapor level control thermostat (to shut off sump heat if the vapor zone rises above the design level).

19) **Method of Heating the Degreaser:**
Maximum Amount Used: _____ Gallons/hour _____ Gallons/year

Maximum Volatility at 100°F: _____ mm Hg

20) **Indicate the Type of Control Device(s):**

_____ Refrigerated Chiller ___ Carbon Adsorption ___ Other (specify): _____

21) **Operating Parameters:**
Actual conveyor speed _____ ft/min.

Maximum vertical conveyor speed at exit or entrance of the degreaser _____ ft/min.

Flow rate of exhaust _____ cfm

Temperature of solvent bath _____ °F or _____ ℃

22) **How are Waste Solvent, Sludge From the Still and Solvent From the Adsorber Disposed of?**

_____

_____